

24,3410 (1163)

32572

24,3420 (1153)

S/605/61/000/000/001/001
E039/E185

AUTHORS: Kondrat'yev, K Ya., Mironova, Z F., Badinov, I Ya.
and Burgova, M P.

TITLE: Apparatus for measuring the spectral composition of
radiation

SOURCE: Vsesoyuznoye soveshchaniye po svetovomu klimatu. 2d
Moscow, 1960 Trudy, Moscow, Gosstroyizdat, 1961
At head of title: Akademiya stroitel'stva i
arkhitektury SSSR. Institut stroitel'noy fiziki i
ograzhdayushchikh konstruktsiy. 19-31

TEXT: Methods of detecting and measuring the incident light
are discussed, together with methods of calibrating instruments
Five particular types of apparatus, developed by Laboratoriya
atmosfernoy optiki, Leningradskogo gosudarstvennogo universiteta
(Laboratory of Atmospheric Optics of Leningrad State University)
are described. These are:
1) An apparatus for measuring total and scattered radiation in the
region 400-1000 mμ. This consists of a monochromator type YM-2
(UM-2) fixed to a rotating table. The optical system is of glass
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and the aperture 1/6. The spectrum is scanned by moving the prism by means of a camshaft. A photomultiplier $\Phi 3J' 22$ (FEU 22) is used as a detector at the outlet slit of the monochromator. The scanning time over the range 420-960 mμ is 2-6 minutes, depending on the time of day.

2) An apparatus for measuring the spectral distribution of solar radiation and the transparency of all thicknesses of atmosphere. This consists of a spectrophotometer on a rotating platform, provided with an optical system for accurate lining up on the sun.

3) An apparatus for measuring the spectral intensity by a photographic method. This is based on a spectrograph type УСП-51 (ISP-51) of relative aperture 1/5.5 and a linear dispersion $\sim 2 \text{ m}\mu/\text{mm}$ in the violet to $30 \text{ m}\mu/\text{mm}$ in the infrared. The spectrograph is mounted on a rotating turntable and the spectra recorded on a cassette of film containing 20 frames. Intensities are obtained by making exposures with a standard lamp between successive measurements.

4) An apparatus for measuring the spectral distribution of total and scattered radiation in the ultraviolet, visible and infrared regions up to 1μ . This apparatus uses a monochromator type

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ΦΣ-1 (SFD-1) with a diffraction grating having 600 lines/mm. A number of filters placed at the outlet slit eliminate the overlapping of spectra of different orders. The aperture is 1/10 and the dispersion 3.3 mμ/mm. The apparatus is supplied with an integrating sphere and standard lamp. A photomultiplier type ΦΣ-18 (FEU-18) is used as a detector in the ultraviolet and visible regions of the spectrum. Typical results obtained with this apparatus are included. They show the variation in the spectrum of total and scattered radiation with time of day.

5) An apparatus for measuring the spectral albedo in the region 0.42 - 1 μ. This apparatus consists of a monochromator type YM-2 ΦΣ-22 (UM-2 FEU-22) to which is attached an integrating sphere which can be rotated through 180° by means of a motor. The spectrum is scanned by rotating the monochromator prism. The paper concludes with a fairly detailed description of the design of a prism and diffraction grating monochromator for the measurement of the spectral albedo and infrared region (to 3 μ) produced by the workshops of NIFI of Leningrad State University on the optical arrangement developed by I. V. Feysekhson (Fig. 10). The preliminary measurements required in order to obtain a final Card 3/8.

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results are also outlined. G. D. Dmitriyevskiy, B. S. Neporent, and V. A. Nikitin are mentioned in the article in connection with their work in this field.

There are 10 figures and 12 Sovietable references.

ASSOCIATION Leningradskiy gosudarstvennyy universitet
(Leningrad State University)

Caption to Fig. 10 Optical arrangement of a spectrophotometer with interchangeable diffraction grating.

1 - entrance slit of prism monochromator; 2 - spherical mirror;
3 - plane mirror; 4 - prism of lithium fluoride; 5 - plane mirror; 6 - spherical mirror; 7 - entrance slit of the principal monochromator; 8 - exit slit of the principal monochromator;
9 - spherical mirror; 10 - grating; 11 - camshaft mechanism;
12 - photocell.

Card 4/5

KONDRATYEV, K. Ya.; BURGOVA, M. P.; MIKHAYLOV, V. V.; GRISHECHKIN, V. S.; PETELIN, G. M.;
OTTO, A. N.; MIRONOVA, Z. F.

"Complex of spectral apparatus for the investigation of the short wave radiative
field in the atmosphere."

report presented at the Atmospheric Symp, Leningrad, 7-12 Aug 64.

L 17808-66 EWT(1) GW
ACC NR: AT6007608

SOURCE CODE: UR/2960/65/000/003/0024/0047

AUTHOR: Kondrat'yev, K. Ya. (Professor); Mironova, Z. F.; Otto, A. N.

ORG: none

TITLE: The spectral albedo ¹²⁴⁴⁵⁵ of natural grounds

SOURCE: Leningrad. Universitet. Problemy fiziki atmosfery, no. 3, 1965, 24-47

TOPIC TAGS: spectral albedo, spectrophotometric property, shortwave range, long-wave range, chlorophyll, absorption band

ABSTRACT: The spectral albedo of natural grounds was measured by special instruments. The program of measurements was so planned that changes of spectral albedos might be detected at various typical grounds. Measurements were carried out above fields of lucerne in the Odessa region, above crop fields in the Poltava region, above clover and lupine fields and water surface in Lithuania, and above snow, asphalt, and concrete in the Leningrad region. All observation data were divided into three classes according to their spectrophotometric properties. The albedo of the first class increased from the short-wave range to long waves. Soils, roads, and other free surfaces are included in this class. The second class of albedo has a maximum from 500 to 560 mμ and a minimum from 650 to 680 mμ in the visible spectral range. The albedo attained great values in the range from 730 to 1000 mμ. Vegetation covers formed this albedo class. The third albedo class consisted of snow and water sur-

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ACC NR: AT6007608

faces, and was characterized by slight variability. Two kinds of albedos were computed: A_1 from mean reading data symmetrical to true noon, and A_2 as mean values derived from three meteorological readings. Herbages covered with soft vegetation have similar spectral albedos within the range from 420 to 900 m μ and an increase of spectral albedo within the interval of 420—550 m μ . At 700 m μ a sudden sharp increase occurs which attains its maximum in the 720—1000-m μ interval. Soft and dense herbages of grass and cabbage have the absorption lines of chlorophyll, but surfaces of ripening corn and sunflowers have no chlorophyll absorption bands. The change of spectral albedo depends upon the phase of vegetation. The albedo of a snow surface is unstable and depends upon the physical state of the snow and illumination conditions. The albedo of a water surface changes slightly depending upon the wavelength. Orig art. has: 11 figures and 5 tables. [EG]

SUB CODE: 04/ SUBM DATE: none/ ORIG REF: 005/ ATD PRESS: 4211

Cord 2/2

NIKOLAYEV, A.V.; DYADIN, Yu.A.; YAKOVLEV, I.I.; MIRONOVA, Z.N.

Quinary system $\text{UO}_2(\text{NO}_3)_2 - (\text{C}_4\text{H}_9)_2\text{PO}(\text{C}_4\text{H}_9\text{O}) - \text{H}_2\text{O} - \text{HNO}_3 - \text{CCl}_4$
at a constant relation of $(\text{C}_4\text{H}_9)_2\text{PO}(\text{C}_4\text{H}_9\text{O})$ to CCl_4 in the
demixing area. Dokl. AN SSSR 153 no.1:118-121 N 1963.

(MIRA 17:1)

1. Institut neorganicheskoy khimii Sibirskogo otdeleniya
AN SSSR. 2. Chlen-korrespondent AN SSSR (for Nikolayev).

NIKOLAYEV, A.V.; DYALOV, Yu.A.; ... M. A. 1964.

Study of the polymerization of ...
water - organophosphorus compounds. ...
AN SSSR no.7 Ser. Khim. nauk n. 2-3. 1964.

1. Institut khimicheskoy fiziki AN SSSR, ...
AN SSSR, Nov. 1964. ...
otdeleniya AN SSSR, Nov. 1964. ...
1964.

L 26574-66 ENT(m)/EMP(j) RM
ACC NR: AP6016975

SOURCE CODE: UR/0020/65/165/003/0578/0581

AUTHOR: Nikolayev, A. V. (Corresponding member AN SSSR); Gribanova, I. N.; Yakovleva, N. I.; Duragov, V. B.; Khol'kina, I. D.; Mironova, Z. N.; Tsvetkov, Ye. N.; Kabachnik, M. I. (Academician)

ORG: Institute of Heteroorganic Compounds, AN SSSR (Institut elementoorganicheskikh sovedineniy AN SSSR); Institute of Inorganic Chemistry, Siberian Department, AN SSSR (Institut neorganicheskoy khimii Siberskogo otdeleniya AN SSSR)

TITLE: Correlation of the extraction capacity of organophosphorus extraction reagents with the sigma constants of the substituents on the phosphorus atom

SOURCE: AN SSSR. Doklady, v. 165, no. 3, 1965, 578-581

TOPIC TAGS: organic phosphorus compound, uranyl nitrate, plutonium, alkylphosphine oxide, distribution coefficient, phosphinic acid

ABSTRACT: The article presents preliminary results on the correlation of the extraction capacity of neutral organophosphorus extraction reagents with their structure. The sigma constant, which Nikolayev et al. derived from the ionization constants of phosphorus acids in 1956, using the Hammett equation, was used to characterize the influence of substituents. The presence of a linear relationship between the effective extraction constants and sums of the sigma constants was demonstrated with a correlation coefficient of 0.994. The correlation of the sigma constants with the distribution coefficients was studied for the extraction of uranyl nitrate and plutonium (IV and VI) nitrate

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UDC: 541.49

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ACC NR: AP6016975

by organophosphorus compounds (approximately 30 extraction reagents) under various conditions. A linear relationship was found to exist between the logarithm of the distribution coefficients and sums of the sigma constants of the substituents on the phosphorus atom, obeyed by esters of phosphoric, mono- and dialkylphosphinic acids, trialkylphosphine oxides, and dialkyl phosphites. The linear relationship found was better satisfied by the distribution coefficients in extraction from neutral and moderately acidic solutions. Chiefly compounds containing isopropyl and isobutyl radicals in the ester groups or at the phosphorus atom satisfactorily obey the linear relationship. A linear relationship is also obeyed by the maximum values of the distribution coefficients for each extraction reagent. The distribution coefficients determined in extraction experiments are functions of several variables, including the constants of complex formation, salt formation (in acid media), hydration constants, and particular distribution coefficients of the substances participating in the equilibrium. From the fact that the logarithms of the distribution coefficients are linear functions of the sum of the sigma constants of the substituents, it follows that the particular distribution coefficients obey the Hammett equation in the cases considered. The correlations of the distribution coefficients of uranyl and plutonium nitrates for organophosphorus extraction reagents with the values of the sum of the sigma constants of the substituents on the phosphorus atom are tabulated for 24 extraction systems. Orig. art. has: 1 figure and 1 table. [JPRS]

SUB CODE: 07 / SUBM DATE: 07Jun65 / ORIG REF: 017 / OTH REF: 011

Card 2/2 *JP*

ACC NR: AP6030554

SOURCE CODE: UR/0413/66/000/016/0032/0032

INVENTOR: Kabachnik, M. I.; Nikolayev, A. V.; Mironova, Z. N.; Tsvetkov, Ye. N.

ORG: none

TITLE: Preparation of dialkyl(acetoxymethyl)phosphines. Class 12, No. 184848.
[announced by Institute of Heteroorganic Compounds, AN SSSR (Institut elemento-organicheskikh soyedineniy AN SSSR)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 16, 1966, 32

TOPIC TAGS: dialkyl acetoxymethylphosphine, triacetoxyposphine, alkyl halide,
ACETONE, ORGANIC PHOSPHORUS COMPOUND

ABSTRACT: In the proposed method, dialkyl(acetoxymethyl)phosphines are obtained by successive treatment of triacetoxyposphine with an alkyl halide and aqueous triethylamine, or sodium carbonate solution, or NaOH with subsequent treatment of the alkyldi(acetoxymethyl)phosphine formed with the above products.
[WA-50; CBE No. 11]

SUB CODE: 07/ SUBM DATE: 20May65/

Card 1/1

UDC: 547.419.1.07

MIRONOVA, Z.S. (CANDIDATE FOR A MEDICAL DEGREE)

Stomach - Diseases

Spontaneous rupture of the stomach. Sov. med. 16 no. 2 (1952)

9. Monthly List of Russian Accessions, Library of Congress, ~~August 1952~~ 1977, Incl.

MIRONOVA, Z.S., kandidat meditsinskikh nauk; DEPUTOVICH, A.Yu, kandidat
~~meditsinskikh nauk~~

Result of roentgenographic diagnosis of injuries of the meniscus
of the knee in athletes. Ortop.travm.protez., Moskva no.1:65-69
Ja-P '55. (MLRA 8:10)

1. Iz Tsentral'nogo instituta travmatologii i ortopedii (dir.-
chlen-korrespondent AMN SSSR prof. N.H.Priorov)

(ATHLETICS, pathology,

knee meniscus inj., x-ray diag.)

(KNEE, wounds and injuries,

meniscus inj. in athletes, x-ray diag.)

(WOUNDS AND INJURIES,

knee meniscus in athletes, x-ray diag.)

MIROMOVA, Z.S.

Medical services in bicycle races lasting several days. Teor. i
prak. fiskul' 18 no.7:535-539 '55. (MLRA 8:10)

1. Kandidat meditsinskikh nauk, master sporta tsentral'nyy insti-
tut travmatologii i ortopedii ministerstva sdravookhraneniya SSSR
(ATHLETICS,
med.serv. in bicycle races)

EXCERPTA MEDICA Sec 9 Vol 13/4 Surgery Apr 59

1728. (527) INJURIES TO THE ACHILLES TENDON IN SPORT ACTIVITIES
(Russian text) - Mironova, Z. S. - ORTOP TRAVM I PROTEZ 1957 4
(17-21)

The complete tearing of the Achilles tendon is observed in 22 and partial tears in 8 athletes between the ages of 17 and 30. The majority of tears were the result of a strong forced thrust of the foot. The greatest stability was achieved by direct union of the ends of the tendon. The operation is done under intraosseous anesthesia with novocaine. After the operation, a plaster cast is put on for 1.5-2 months, followed by physio-balneotherapy.

(S)

~~MIRONOVA~~ MIRONOVA, Z.S., kand.med.nauk, IMAMALIYEV, A.S., kand.med.nauk

Injuries of the meniscus of the knee and their treatment by surgery.
Azerb.med.zhur. no.11:72-76 N '58 (MIRA 11:12)

1. Iz Tsentral'nogo instituta travmatologii i ortopedii Ministerstva
zdravookhraneniya SSSR (direktor - deystvitel'nyy chlen AMN SSSR.
prof. N.N. Priorov).

(KNEE JOINT---SURGERY)

MIRONOVA, Z.S., kand.med.nauk; IMAMALIYEV, A.S., kand.med.nauk

Restoration of the functional ability of athletes following fractures
of the navicular bone of the hand. Azerb.med.zhur. no.1:35-39 Ja '60.

(MIRA 12:5)

1. Iz sportivnogo otdeleniya (zav. - kand.med.nauk Z.S. Mironova)
TSentral'nogo instituta travmatologii i ortopedii Ministerstva
zdravookhraneniya SSSR (direktor - deystvitel'nyy chlen AMN SSSR
prof. N.N. Priorov).

(HAND--FRACTURE)

(ATHLETES--DISEASES AND HYGIENE)

MIRONOVA, Z.S.

Plastic surgery of the ruptured ligamentum cruciatum posterius
genu. Ortop.travm.i protez. 21 no.6:71-72 Je '60.

(MIRA 13:12)

(~~KNEE~~-SURGERY)

MIRONOVA, Zoya Sergeyevna; FEDOSEYEV, A.N., red.; KUZ'MINA, N.S.,
tekhn. red.

[Injuries to the menisci and to the collateral and cruciate
ligaments of the knee joint in sports; a manual for physicians
in sports medicine] Povrezhdeniia meniskov, bokovykh i kresto-
obraznykh svyazok kolennogo sustava pri zaniatiakh sportom;
posobie dlia vrachei, rabotaiushchikh v oblasti sportivnoi me-
ditsiny. Moskva, Medgiz, 1962. 135 p. (MIRA 15:8)
(KNEE—WOUNDS AND INJURIES)

MIRONOVA, Z.S., kand.med.nauk; MERKULOVA, R.I.

Treatment of traumas of the locomotor apparatus in athletes
by local injections of hydrocortisone. Ortop., travm. i
protez. no.1:43-48'63. (MIRA 16:10)

1. Iz TSentral'nogo instituta travmatologii i ortopedii (dir.-
prof. M.V.Volkov).

*

MARTENS, A.S., starshiy nauchnyy sotrudnik (Moskva 1-7, ul. Shenopina, d.4, kv.63); MIRONOVA, T.S., doktor med. nauk

Experience with compound treatment of lesions of the internal lateral ligament of the knee joint in athletes. (ortop., travm. i protez.) (MIRA) 1983 no.6:21-26 de '64.

1. Iz Tsentral'nogo instituta travmatologii i ortopedii. (MIRA) - nauchno-korrespondent AMN SSSR; prof. M.V. Golovinskiy.

MIRONOVA, Z.S., doktor med. nauk

Analysis of activities of the Sports Traumatism Section of the Institute of Traumatology and Orthopedics in the past 10 years. (Izop. travm. i protez. 25 no. 2:57-61 3 '61. MIRA 1964)

1. Iz TSentral'nogo instituta travmatologii i ortopedii (prof. M.V. Volkov, korrespondent AMN SSSR prof. M.V. Volkov). Adres avtorov: Moskva, A. 119 Novaya Ipatovka, dom 8. TSentral'nyy institut travmatologii i ortopedii.

MLACHOVA, Zoya Sergeyevna; BELY, Ilya Leonidovich;
EVORKIN, A.I., ed.; BSHIP, M., ed.

[Prevention and treatment of sports injuries in flaccid-
tika i lechenie sportivnykh traun. Moscow, Meditsina,
1965. 156 p. (U.S.A. ed.)]

MIRONOVA, Z.V.

Summer vacation for young Muscovites in the Pioneer camps. Gor.khoz.Mosk.
25 no.9:3-7 S '51. (MIRA 6:11)

1. Zamestitel' predsedatelya Ispolkoma Moskovskogo Soveta.
(Moscow--Pioneers (Communist youth)) (Recreation centers)

MIRONOVA, Z.Y.

On improving medical services for the people of Moscow. Gor.khoz.
Mosk. 29 no.1:1-3 J '55. (MIRA 8:3)

1. Zamestitel' predsedatelya Ispolkoma Mossoвета.
(Moscow—Hospitals)

MIRONOVA, Z.V.

Improvement of public medical care in Moscow. Gor.khoz.Mosk. 32
no.12:3-6 D '58. (MIRA 11:12)

1. Zamestitel' predsedatelya Ispolkoma Mossovet.
(Moscow--Hospitals) (Moscow--Public health)

MIROMOVICH, Aynbinder Iosif; SHUL'GIN, K.A., red.; BORUKOV, N.I.,
tekhn.red.

[Problems of the theory and design of ultrashortwave stages
of radio receivers] Voprosy teorii i rascheta UKV kaskadov
radioveshatel'nogo priemnika. Moskva, Gos.energ.izd-vo,
1958. 117 p. (MIRA 11:12)
(Radio, Shortwave--Receivers and reception)

MIROKOVICH, L.

~~Eliminate unnecessary wardship.~~ Fin. SSSR 19 no.1:76-77 Ja '19.
(MIRA 11-1)

1. Starshiy inspektor byudzhethnogo otdela Khmel'nitskogo oblfinotdela.
(Khmel nitskiy Province--Schools)
(Railroads--Employees)

RUTTO, R., inzh.; LOGVINOV, V.; MIRONOVICH, L.; KOVALEV, M.

Plastic coatings in the repair of cranes. Rech. transp. 22
no.8:21-22 Ag '63. (MIRA 16:10)

1. Gomel'skoye otdeleniye AN BSSR (for Rutto).
 2. Glavnyy inzh. Gomel'skogo porta (for Logvinov).
 3. Starshiy inzh. Gomel'skogo otdeleniya AN BSSR (for Mironovich).
 4. Starshiy inzh. mekhanizatsii Gomel'skogo porta (for Kovalev).
- (Cranes, Derricks, etc.--Maintenance and repair)
(Plastic spraying)

L 35070-65 EPF(c)/EWP(j)/EWT(m)/EWP(b)/T/EWP(t) Pc-l/Pr-l RM/JD
 S/0081/64/000/024/S095/S095
 ACCESSION NR: AR5006371 30
 SOURCE: Ref. zh. Khimiya, Abs. 24S575 B+1
 AUTHOR: Rutto, R. A.; Mironovich, L. L.
 TITLE: Application of thin-layer, plastic coatings 6
 CITED SOURCE: Sb. Primeneniye plast. mass v mashinostr. i priborostr. Minsk, 1964, 45-60
 TOPIC TAGS: plastic coating, plastic powder, anticorrosion plastic coating, wear-resistant plastic, flame spraying
 TRANSLATION: Processes for preparing surfaces and applying coatings on parts are examined. The very widely used method of flame spraying or hot deposition of a plastic powder consists of passing the powder, e.g. polyethylene or PFN-12 through a hot gas flame in which it is melted and then strikes the surface of a heated part. The advantages and disadvantages of the method, which is also applicable for deposition without preheating the surface, are noted. A general picture, diagram, and description of the apparatus for the vortex spraying of semi-liquified plastic powder are given. Optimum particle sizes are recommended. This method has a
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ACCESSION NR: AR5006371

number of favorable features but is not universally applicable. An industrial version of the device has been developed; equipment used in the United States is described. A diagram of a technique for the jet or flameless spraying of polymers is presented which is especially effective using an electrostatic field and which can easily be automated. An unrestricted supply of compressed air is assumed in all methods. The design of a simple and inexpensive installation is given for the vibration deposition of plastic powder on small parts with a simple configuration. A centrifugal method is recommended for the application of coatings on large sleeve bearings and oversized bushings, 10-15 mm thick. The heat treatment of the coating is selected on the basis of the base, the powder to be sprayed, the structure of the powder, etc. Thin wear-resistant coatings are used to restore machine parts. Anticorrosion coatings are applicable in electroplating shops of machine and instrument building plants and in meat, lard, and grain combines. Decorative coatings are used to trim tractors, automobiles, locomotives, railroad cars, and for the finish and anticorrosion protection of everyday equipment. See also RZhKhim, 1964, 208475. B. Shemyakin

SUB CODE: MT, OC

ENCL: 00

Cord 2/2

KESTEL'MAN, V.N.; RUTTO, R.A.; KESTEL'MAN, N. Ya.; SHAPOVALOV, Yu.I.;
MIRONOVICH, L.L.

Selecting parameters and methods for applying caprone coatings
on metal surfaces. Mashinostroitel' no.11:33-34 N '64
(MIRA 18:2)

L 01009-66

EWT(m)/EPF(c)/EWP(i)/EWP(v)/EWP(j)/T/EWP(t)/EWP(b) JD/WW/RM

ACCESSION NR: AP5019570

UR/0191/65/000/008/0059/0061

678.675'125.026.3.01:536.53:539.61247

AUTHOR: Kestel'man, V. N.; Rutto, R. A.; Kestel'man, N. Ya.; Shapovalov, Yu. I.;
Mironovich, L. L. 55, 44 55, 44 55, 44 55, 44 B

TITLE: Durability and adhesion of nylon coatings, as a function of the methods of
their deposition on metal surfaces 44, 55, 14

SOURCE: Plasticheskiye massy, no. 8, 1965, 59-61

TOPIC TAGS: adhesive bonding, nylon, steel, cast iron, plastic coating

ABSTRACT: The properties of polyamide coatings,¹⁵ obtained by closely related methods are compared. The optimum temperature of the metal during the deposition of the nylon film was found to be 225-250°C (see fig. 1 of the Enclosure). Deviation from this temperature sharply decreases the adhesion¹⁵ of the coating and its physical and mechanical properties. Sand blasting of the surface of the metal increases the strength of coupling between the coating and the metal. The best adhesion of nylon to steel is achieved when the particle size of nylon is in the 200-270 μ range (see fig. 2 of the Enclosure). Below 200 μ nylon is oxidized at elevated temperatures

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and above 270 μ it is poorly melted. Powders were produced by dissolution of nylon in caprolactam monomer, precipitation, extraction of solvent and drying. It was found that coatings obtained by different methods differ significantly in their durability. The most stable nylon coatings were obtained by the vibration method. "The authors express their gratitude to S. B. Ratner for his valuable advice." Orig. art. has: 4 figures. ^{44, 55}

ASSOCIATION: none

SUBMITTED: 00

ENCL: 02

SUB CODE: MT

NO REF SOV: 006

OTHER: 002

Card 2/4

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ACCESSION NR: AP5019570

ENCLOSURE: 01

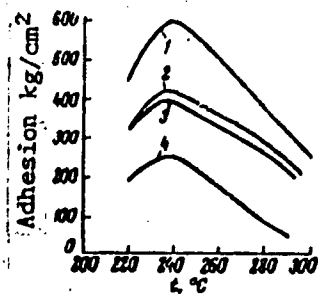


Fig. 1. Adhesion of nylon coatings to steel (1,3) and cast iron (2,4) parts as a function of surface temperature.

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ACCESSION NR: AP5019570

ENCLOSURE: 02

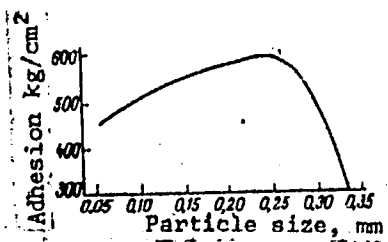


Fig. 2. Adhesion of nylon to steel as a function of the particle size of the nylon powder (the surface of the metal specimens was cleaned by sand blasting).

Card 4/4

SP

MIROMOVICH, M.I., kand.tekhn.nauk

-----Effect of the quality of telescope lenses on the precision of
length measurement by stereoscopic range finders. Izv. vys. ucheb.zav.;
prib. no.2:114-122 '58. (MIRA 11:7)

1.Vsesoyuznyy nauchno-issledovatel'skiy markshayderskiy institut.
(Telemeter) (Lenses)

MIRONOVICH, M.I., kand. tekhn. nauk

New hose level to be used in industrial construction. Prom. stroi.

37 no.11:54-55 N '59.

(MIRA 13:2)

(Level (Tool))

MIRONOVICH, M.I., kand.tekhn.nauk

New devices for controlling the assembling operations.

Shakht.stroi. 4 no. 6:17-19 Je '60. (MIRA 13:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy marksheyderovskiy
institut.

(Mine surveying--Equipment and supplies)

MIROMOVICH, M.I.; SLAVENOV, A.Kh., ved. red.

[Short catalog-handbook on surveying instruments. Kratkiy katalog-spravochnik po markirovaniyu i geodesicheskim priboram. Moskva, Nedra, 1966. 120 p. (MIRA 18:7)]

ACC NR: AM6029188

Monograph

UR/

Mironovich, M. I., comp.

Concise catalog-manual on mine surveying and geodetic apparatus (Kratkiy katalog-spravochnik po marksheyderskogo-geodezicheskim priboram) Moscow, Izd-vo "Nedra", 1965. 125 p. illus., (At head of title: Gosudarstvennyy komitet po toplivnoy promyshlennosti pri Gosplane SSSR. Vsesoyuznyy nauchno-issledovatel'skiy institut gornoy geomekhaniki i marksheyderskogo dela. VNMI) Errata slip inserted. 2600 copies printed.

TOPIC TAGS: mining engineering, geodetic survey, geodetic instrument, tool manufacturing

PURPOSE AND COVERAGE: This is a reference catalog on geodetic and mine surveying instruments manufactured by the toolmaking industry of the Soviet Union and other Soviet-bloc countries, tested by the Special All-Union Scientific Research Institute and recommended for use in geodetic mine engineering and surveying work; a list of selling prices as of 1962-1963 is included. The catalog contains descriptions of certain instruments, interesting in designing respects, manufactured in Western countries. This concise reference catalog is intended for mine surveyors and geodesists. It can also be used by industrial enterprises in ordering geodetic and mine surveying instruments.

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UDC: 622.1:531.7(038)

ACC NR: AM6029188

- I. Goniometrical and tacheometrical instruments - 3
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SUB CODE: 08 /

SUBM DATE: 17Feb65/

Card 2/2

LEVITSKIY, N.K.; MIRONOVICH, N.D., inzh., retsenzent; DLUGACH,
E.A., kand. tekhn. nauk, red.; VOLOTNIKOVA, L.F., tekhn.
red.

[Dispatching management of industrial railroads] Dispetcher-
skoe rukovodstvo na pribyutennom zheleznodorozhnom trans-
porte. Izd. 2., perer. i dop. Moskva, Izd-vo "Transport,"
1964. 158 p. (MIRA 17:3)

MIRONOVIC, M. I.

"The Problem of Osteodystrophia Petrosa
of the Cranium," Vopr. Neyrokhirurgii, 15,
No. 3, 1949 Moscow, Inst. Neurosurg.
Im N. N. Burdenko, Acad.
Med. Sci. -cl 44 -.

MIRONOVICH, N. I.

Use of hemostatic sponge in cranio-cerebral hemorrhages.

Vopr. neurokhir. 15 no. 3:17-21 May-June 1951. (CIAML 21:3)

1. Candidate Medical Sciences. 2. Of the Institute of Neurosurgery imeni Academician N. N. Burdenko (Director -- Prof. B. G. Yegorov, Corresponding Member of the Academy of Medical Sciences) of the Academy of Medical Sciences USSR.

MIRONOVICH, Nikolay Ivanovich.

Academic degree of Doctor of Medical Sciences, based on his defense, 25 June 1954, in the Council of the Department of Clinical Medicine, Acad Med Sci USSR, of his dissertation entitled: "Arachnoidendothelia of the Blades of a Principal Bone (clinic and surgery)."

Academic degree and/or title : Doctor of Sciences

CC: Decisions of VAV, List no. 14, 11 June 55, Byulleten' MVO S SR,
No. 15, Aug 56, Moscow, pp. 5-24, Incl. JPRS/NY-537

BAKULEV, A.N., akad.; BLOKHIN, N.N.; BO USH, L.K.; VELIKORETSKIY, A.N., prof.; VOZNESENSKIY, V.P., prof., zasl. deyatel' nauki [deceased]; GULYAYEV, A.V., prof.; DANILOV, I.V., prof.; DUBOV, M.D., doktor med. nauk; KAZANSKIY, V.I., prof.; LIMBERG, A.A.; LINBERG, B.E., zasl. deyatel' nauki, prof.; MEDVEDEV, I.A., dots.; MESHALKIN, Ye.N., prof.; MIRONOVICH, N.I., doktor med. nauk; NIKOLAYEV, O.V., prof.; NIFONTOV, B.V., doktor med. nauk; PETROVSKIY, B.V.; PRIOROV, N.N. [deceased]; RIKHTER, G.A., prof.; ROVNOV, A.S., prof.; RUFANOV, I.G.; STRUCHKOV, V.I.; SHRAYBER, M.I., doktor med. nauk; GORELIK, S.L., dots., red.; YELANSKIY, N.N., red.; SALISHCHEV, V.E., zasl. deyatel' nauki, prof. [deceased]; RYBUSHKIN, I.N., red.; BUL'DYAYEV, N.A., tekhn. red.

[Surgeon's reference book in two volumes] Spravochnik khirurga v dvukh tomakh. Pod obshchei red. A.N. Velikoretskogo i dr. Moskva, Medgiz. Vol. 1. 1961. 564 p. (MIRA 14:12)

1. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for Blokhin, Petrovskiy, Priorov, Rufanov, Limberg). 2. Chlen-korrespondent Akademii meditsinskikh nauk SSSR (for Bogush, Struchkov, Yelanskiy). (SURGERY)

ARENDE, A.A., prof., ALEXANDER, S.K.I.Y., J.V., kand. med. nauk, B.G.DANOV, F.R., prof., BONDARCHUK, A.V., prof., KOPYLOV, M.F., prof.; KORNEV, P.G., zasl. deyatel' nauk RSFSR, prof.; KOSIK, M.I., prof.; LEYBZON, N.D., doktor med. nauk, MAKAROV, M.P., kand. med. nauk; NIKOL'SKIY, V.A., prof., PODGORNAYA, A.Ya., doktor med. nauk; RAZDOL'SKIY, I.Ya., prof. [deceased]; ROSTOKAYA, V.I., kand. med. nauk, TIMSKY, V.A., kand. med. nauk, UGRYUMOV, V.M., prof.; FISHKIN, V.I., kand. med. nauk; KHRANOV, V.S., kand. med. nauk, CHIKOVANI, K.F., prof. [deceased]; SHAYKOV, A.A., prof.; PETROVSKIY, B.V., prof. zasl. deyatel' nauk RSFSR, otv. red., YEGOROV, B.G., zasl. deyatel' nauk RSFSR, prof., red. toma, MIRONOVICH, N.I., doktor med. nauk, zam. red.; PARAKHINA, N.L., VERKH. red.

[Manual on surgery] "Mnogotomnoe rukovodstvo po khirurgii. Moskva, Medgiz. Vol.4. [Neurosurgery, the sequelae of lesions of the central nervous system. Diseases of the spine, the spinal cord and its membranes. Diseases of the vegetative nervous system] Neirokhirurgiya; posledstviia povrezhdenii tsentral'noi nervnoi sistemy. Zabolevaniia pozvonochnika, spinного mozga i ego obolochek. Zabolevaniia vegetativnoi nervnoi sistemy. 1962. 667 p. (MIRA 16:10

1. Deystvite.'nyy chlen AMN SSSR (for Petrovskiy, Yegorov, Kornev). 2. Chlen-korrespondent AMN SSSR (for Bgdanov). (NERVOUS SYSTEM--SURGERY (SPINE--SURGERY)

MIROVICH, N.I.

Primary postoperative liquorrhea. Probl. sov. neirokhir.
2;150-155'57. (MIRA 16:0)
(BRAIN—SURGERY) (CEREBROSPINAL FLUID)

MIRONOVICH, Nikolay Ivanovich, doktor med. nauk; KUZ'MINA, N.S.,
tekhn. red.

[Brief essay on the development of Soviet neurosurgery]
Kratkii ocherk razvitiia otechestvennoi neirokhirurgii.
Moskva, Izd-vo "Meditsina," 1964. 162 p. (MIRA 17:3)

*

MIRONOVICH, N.I.

Some problems of the clinical aspects and therapy of acute inflammatory processes following an operation on the posterior cranial fossa in children. Vop. neirokhir. 28 no. 3: 3-36. N-D '64. (MIRA 18:4)

1. Nauchno-issledovatel'skiy ordena Trudovogo Krasnogo Znameni Institut neyrokhirurgii imeni Burdenko (dir. - prof. A.I. Arutyunov) AMN SSSR, Moskva.

MIRONOVICH, V.

MIRONOVICH, V., Les pôles de la circulation atmosphérique générale et les pôles magnétiques terrestres. [The poles of general atmospheric circulation and the geomagnetic poles.] *Beiträge zur Physik der Atmosphäre*, Frankfurt a.M., 79(2):123-128, 1956. 4 figs., 9 refs.

German, English and French summaries p. 123. DWB—If one compares the normal winter topography of the 300 mb surface with the mean field of the geomagnetic elements (both fields represented by new data) one notices a great similarity between these two fields. In particular, the two centers of cyclonic circulation, over the Canadian Archipelago and over Cape Chelyuskin (Siberia), coincide well with the two geomagnetic poles. (The existence of the second pole has been demonstrated by Russian geomagnetic observations.) Furthermore, some phenomena are mentioned which indicate the connection between geomagnetic and purely meteorological phenomena. The origin of this connection remains obscure. *Subject Headings:* 1. Geomagnetic poles 2. Upper air pressure distribution.—*Author's abstract.*

98

CA MIRONOVICH, V. K.

11H

Blood chlorides and salt infusions in toxicosis in children. V. K. Mironovich. *Journal of Pediatr. Med. Surg.* 1980; No. 7, 25-30. In cases of child toxicosis (toxic dyspepsia, colitis, pylorospasm, a drop about 10% of total blood Cl appears usually on 8th-10th day of illness. This may be due to the frequent use of soda washing on the stomach used to relieve vomiting. In such cases, made by a lowering of blood Cl after such a wash with soda (2% soda solution) of Ringer's solution, however, raise blood Cl.

G. M. Kozlovskii

MIRONOVICH, V.K.; BLINOVA, N.Ye.

Modifications of liver function in various methods of treatment of hepatitis in children. Vopr.pediat. 19 no.1:30-34 1951. (CIAM 20:7)

1. Of the Department of Clinical Pediatrics for the Advanced Training of Physicians (Head--Prof. E.I. Fridman), Leningrad State Pediatric Medical Institute. 2. Comparative efficacy of glucose combined with insulin, nicotinic acid, and campolon.

MIRONOVICH, V.K.

Data for the functional characteristics of leucocytes in diseases of the
blood system in children. Part 1; Phagocytic activity. Vop.okh.
mat. 1 det. 3 no.5:23-28 S-O '58 (MIRA 11:11)

1. Iz kafedry gosital'noy pediatrii (zav. - prof. A.F. Tur)
Leningradskogo pediatricheskogo instituta (dir. prof. N.T. Shutova).
(CHILDREN--DISEASES)
(LEUCOCYTES)
(BLOOD--DISEASES)

MIRONOVICH, V.K., VAYSBERG, A.D.

Staphylococcal pneumonia in children. Vop.okh.mat. i det. 3
no.6:10-16 N-D '58 (MIRA 11:12)

1. Iz kafedry gosnital'noy pediatrii (zav. - deystvitel'nyy
chlen AMN SSSR prof. A.P. Tur) Leningradskogo pediatricheskogo
meditsinskogo instituta (dir. - prof. N.T. Shutova).
(STAPHYLOCOCCAL INFECTIONS)
(PNEUMONIA)

MIRONOVICH, V.K., dotsent

Classification of diseases of the kidneys in children. *Pediatr*
38 no.12:5-9 '60. (MIRA 14:2)

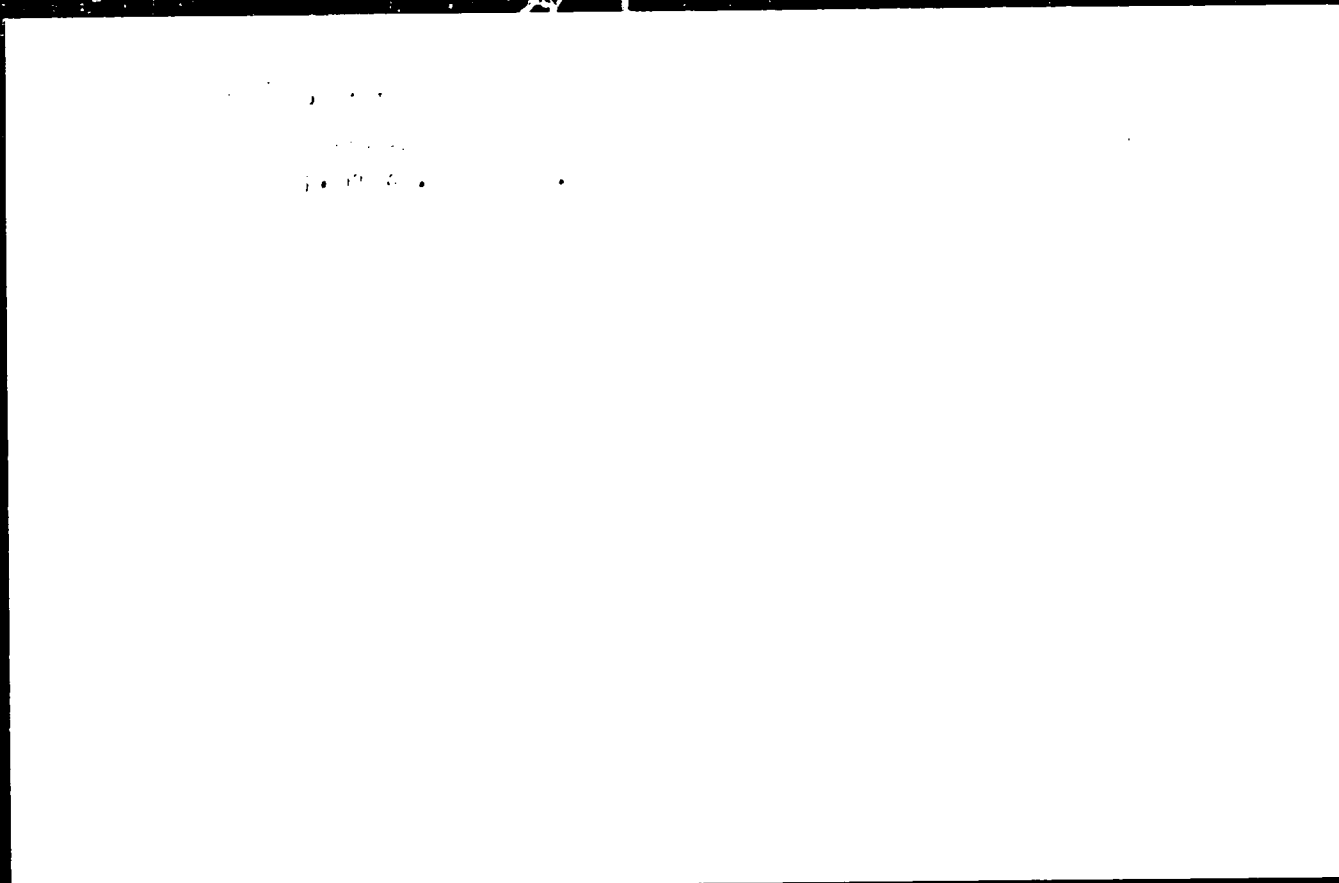
1. Iz kafedry gosital'noy pediatrii (zav. . deystvitel'nyy chlen
AMN SSSR prof. A.F. Tur) Leningradskogo pediatricheskogo meditsin-
skogo instituta (dir. . prof. N.T. Shutova).

(KIDNEYS. DISEASES)

(CHILDREN. DISEASES)

KVASNAYA, L.G., dotsent; MIRONOVICH, V.K., dotsent

"Propaedeutics of children's diseases" by V.I.Molchanov and
others. Reviewed by L.G.Kvasnaia and V.K.Mironovich. Vop. okl.
mat. 1 det, 6 no.11:91-94 N '61. (MIL A L:12)
(CHILDREN_DISEASES) (MOLCHANOV, V.I.)
(DOMBROVSKAYA, Yu.F.) (LEBEDEV, D.D.)



1. The first part of the document is a list of the names of the individuals who were involved in the investigation. The names are listed in alphabetical order. The names are: [illegible]

VITUSHINSKIY, V.I., prof. MIRONOVICH, Ye.N., dotsent

"Research papers of the experimental morphology laboratory of
the Stalingrad Province Oncological Dispensary," no. 1. Arkh.
anat. gist. 1 embr. 38 no. 5:119-121 My '60. (MIRA 14:2)

1. Adres avtorov: Stalingrad, ul. Lenina, Meditsinskiy institut.
(MORPHOLOGY)

L 1366-66 EWT(1) IJP(e) BW

ACCESSION NR: AP5020236

UR/0188/65/000/004/0020/0024
539.21

276
B

AUTHOR: Mironovskiy, V. N.

TITLE: Gravitational radiation due to thermal motion of the lattice in solid bodies

SOURCE: Moscow. Universitet. Vestnik. Seriya 3. Fizika, astronomiya, no. 4, 1965, 20-24

TOPIC TAGS: general relativity theory, gravitation wave, dwarf star

ABSTRACT: The author considers the problem of gravitational radiation from solid bodies caused by thermal motion of the lattice. The Debye model is used to derive equations for the energy of thermal gravitational radiation from solids. Thermal gravitational radiation from the earth is estimated at $I = 10^{-5}$ erg/sec. Assuming that the matter in white dwarf stars is in the solid state, an estimation of $I = 10^{14}$ erg/sec is given for a white dwarf with the following parameters: density 10^6 g/cm³; average atomic weight 20; temperature 10^7 degrees; mass $2 \cdot 10^{33}$ g. "In

Card 1/2

L 1366-66

ACCESSION NR: AP5020236

conclusion, I thank Professor Ya. P. Terletskiy^{55, 44} for proposing the subject and for his great interest in the work." Orig. art. has: 11 formulas. 6

ASSOCIATION: Kafedra teoreticheskoy fiziki Moskovskogo gosudarstvennogo universiteta (Department of Theoretical Physics, Moscow State University)

SUBMITTED: 21Apr64

ENCL: 00

^{55, 44} SUB CODE: GP, AA

NO REF SOV: 004

OTHER: 002

Card 2/2 *deg*

MIRONOVSKIY, V.N.

Gravitational radiation of solid bodies linked with thermal motion of the lattice. Vest. Mosk.un. Ser. 3: Fiz., astron 20 no.4:20-24 J1-Ag '65. (MIRA 18:12)

1. Kafedra teoreticheskoy fiziki Moskovskogo gosudarstvennogo universiteta. Submitted April 21, 1964.

~~L 15173-66~~ EWT(1) CW
ACC NR: AP6000226

SOURCE CODE: UR/0056/65/049/005/1650/1652

AUTHOR: Mironovskiy, V. N.

ORG: Moscow State University (Moskovskiy gosudarstvenny universitet) ⁴²
TITLE: On the registration of gravitational radiation from binary stars of the galaxy ^{12,55}

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 49, no. 5, 1965, 1650-1652

TOPIC TAGS: gravitation wave, gravitation effect, binary stars, galactic radiation, earth science instrument

ABSTRACT: This is a continuation of earlier work by the author dealing with gravitation radiation (Astronom zh. v. 42, no. 5, 1965), where it was estimated that the most powerful source of gravitation radiation (binary star type W UMa) produces a radiation (10^{38} erg/sec) whose energy is only five orders of magnitude smaller than the optical radiation from the galaxy. This article discusses the possibility

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L 15173-66
ACC NR: AP6000226

of registering this radiation by means of the torsional frictionless pendulum described in the earlier paper. A formula is presented for the calculations, in which no use is made of the pseudotensor of the energy of the gravitational field, so that the shortcomings connected with this concept are eliminated. The calculations show that the rms displacement of the pendulum for the neighboring stars IBoo and WZ

Sge is 6×10^{-16} cm, which is close to the presently measurable displacements 10^{-14} -- 10^{-15} cm. The results would provide a check on the existence of gravitation waves. Orig. art. has: 3 formulas.

SUB CODE: 03 / SUBM DATE: 21Jun65/ ORIG REF: 003/ OTH REF: 001

Card

2/2 *BC*

1. The following information is being furnished to you for your information:

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L-31957-65 EWT(1) LJP(c)

ACCESSION NR: AP5004411

8/0056/65/048/001/0358/0359

AUTHOR: Mironovskiy, V. N.

TITLE: Photoproduction of gravitons from spinor particles

12
7
B

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 48, no. 1, 1965, 358-359

TOPIC TAGS: graviton, spinor, photoproduction, star luminosity, gravitational luminosity, photon luminosity

ABSTRACT: The results are presented of an investigation of the conversion of the photon into a graviton when the photon is scattered by a spinor particle. The differential cross section for this process is calculated on the basis of a paper by Yu. S. Vladimirov (ZhETF, v. 45, 251, 1963), with some errors in this paper corrected. Although the probabilities of gravitational transformations are extremely small, the possibility of their existence is important, as a matter of principle, for the elucidation of the nature of the gravitational field and of the role played by gravitation in the relativistic theory of elementary particles.

Card 1/2

L 31957-65
ACCESSION NR: AP5004411

5

and for the solution of a number of cosmological¹² problems. The star's gravitational luminosity connected with the process in question is estimated to be 18 orders of magnitude smaller than the photon luminosity, so that it cannot play any role in stellar evolution. "The author is grateful to Ya. P. Terletskiy and Yu. S. Vladimirov for a discussion of this work." Orig. art. has: 1 figure and 5 formulas.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet (Moscow State University)

SUBMITTED: 18Jul64

ENCL: 00

SUB CODE: GP, AA

NR REF SOV: 004

OTHER: 000

Card 2/2

BUTEK, Rudolf, mgr; LACH, Ryszard, mgr inż.; MIRONOWICZ, Ludyslaw, mgr inż.
ADAMK, Ryszard, mgr inż.; KNYSEK, Marian, inż.

Measuring the density of the filling mixture by using the
gamma radiation absorption method. Przegl gorn 20 no.10:
Supplement:Biul glow inst gorn 14 no.2:11-14 '63.

MIRONSKI, Edward

Surgical therapy of hip dislocation in adults with the aid of Schanz' osteotomy with the elongation of the femur. Chir.narz. ruchu 25 no.4:347-350 '60.

1. Z Kliniki Ortopedycznej A.M. w Warszawie Kierownik: prof.
dr A.Gruca
(HIP fract & disloc)

LAS, Jerzy; MIRONSKI, Edward

Plastic orthopedic prosthesis. Orth. technol. mater. Sci. Pol.
30 no.2:225-229, 1978.

Cosmetic prosthesis. Orth. technol. mater. Sci. Pol.: 30-34

1. Z. Lasek, M. Mironski, J. Lasek -Dok. i technol. Złoty Związek Przemysłu Ortopedycznego w Warszawie (Dyrektor: prof. dr. I. Cwizewicz).

DAVEC, Penco; NEDELKOSKI, Jonce; MIRONSKI, Sava

Megalohepatosplenomegaly of unknown etiology with tumoral extra-medullary hemopoiesis. Srpski arh. celok. lek. 22 no.5:545-552
My '60.

1. Interna klinika Medicinskog fakulteta Univerziteta u Skopju.
Direktor: prof. dr Dimitar Arsov.

(SPLENOMEGALY pathol) (LIVER DISEASE pathol)
(LUNGS pathol) (POLYCYTHEMIA VERA pathol)

ACC NR: AP6029586

SOURCE CODE: YU/001 /05/000/P-/0.00/ 227

AUTH R: Grunevska, Bojana (Doctor); Nedelkovska, Nada (Doctor); Mironski, S.
(Doctor; Professor); Sajn, Asan (Doctor)

ORG: Infectious Diseases Clinic, Medical Faculty/headed by Professor, Doctor
S. Mironski/, Skopje (Infektivna klinika Med. fakulteta)

TITLE: Our experiences with hepatic coma

SOURCE: Medicinski glasnik, ^ano. 8-9, 1965, 224-227

TOPIC TAGS: hepatitis, clinical medicine, human physiology

ABSTRACT: Of 2765 patients with infectious hepatitis treated during 1961 - 1965,
57 evolved into hepatic coma, all but two of these being women in either the third
trimester of pregnancy or in the early postpartum period. Among these hepatic
coma cases, the mortality was high, over 60%. Detailed clinical data. Orig. art.
has: 3 figures. [Based on authors' German abst.] [JPRS: 36,599]

SUB CODE: 06 / SUBM DATE: none / OTH REF: 017

Card 1/1

1P

8917

2680

MIRONSKY, Jiri; KROO, Herman

Antistane in conservative therapy of acute stenosing laryngotracheo-bronchitis in children. Cesk. pediat. 14 no.7:646-650 July 59.

1. Infekcni klinika v Praze 8 - Bulovka. Prednosta prof. MUDr. Jaroslav Prochazka.

(CROUP, therapy) (ANTIHISTAMINES, therapy)

BEL

. A., dr.; DUTKA, D., dr.; PIRKE, St., dr.;
A., dr.; S., dr.; MIZTOW, V., dr.; RETKZKANT, A.

Generalization of the evolution of clinical forms of 250 cases of
schizophrenia. *Neuropsychia (Paris)* 10 no.2:109-118. Mar-Apr '66.

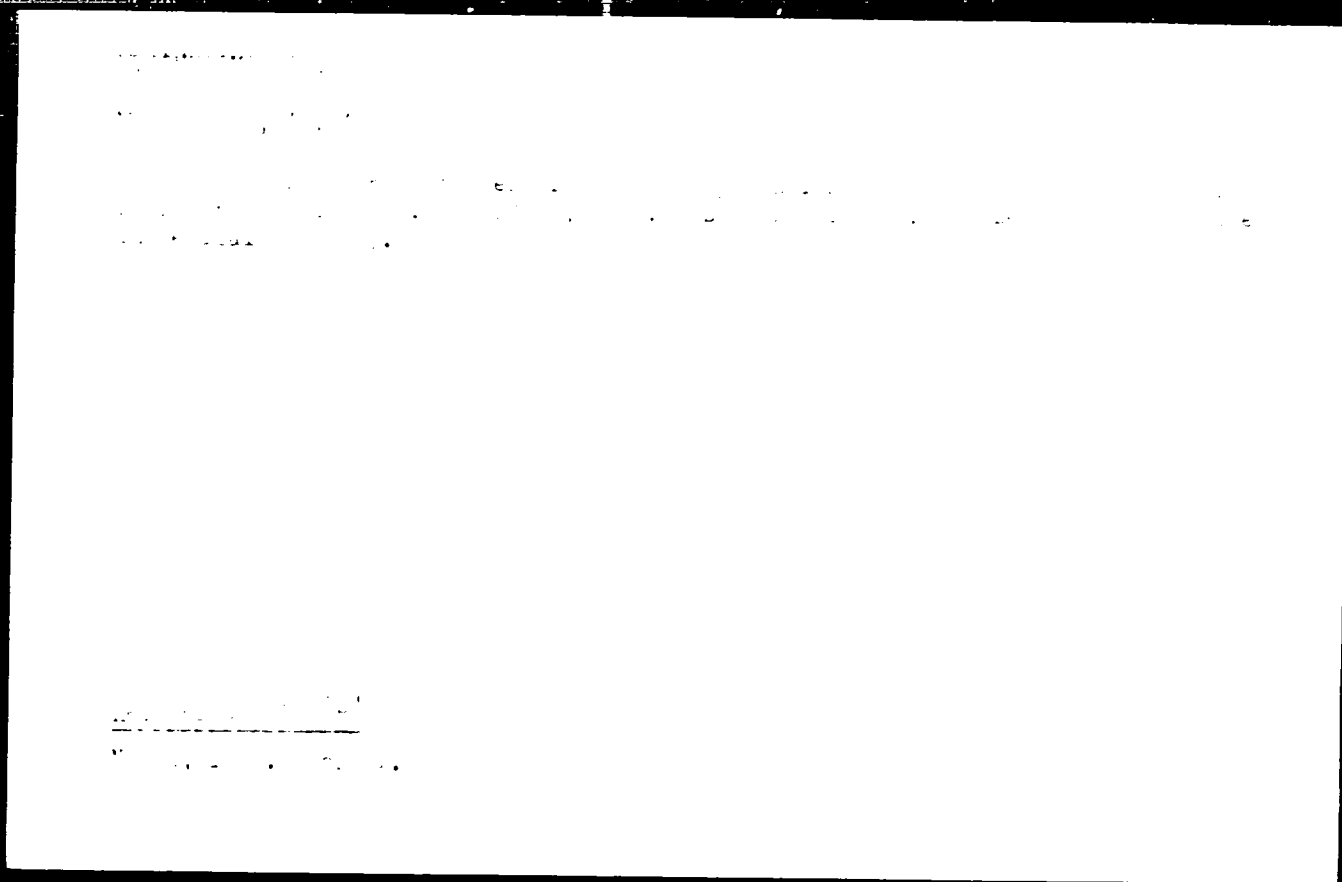
. *Journal de psychiatrie, Bruxelles*.

MIRONTOSEV, N.D., inzhener.

Turning feed-regulating valve. Elek.sta. 27 no.7:50
Jl '56.

(MLRA 9:10)

(Valves)



MIRONTSOVA, A.A. (Dhar'kov, Karazinskaya ul., d.13 kv.3)

Nerves of the masseter muscles in man and in certain animals.
Arkh. anat. gist. i embr. 35 no.4:79-81 JL-Ag '58 (MIRA 11:10)

1. Kafedra normal'noy anatomii (zav. - prof. R.D. Sinel'nikov)
Dhar'kovskogo meditsinskogo instituta.
(MUSCLES, MASTICATORY, innervation
in animals & man (Rus))

MIRONTSOVA, A.A., kand.med.nauk

Morphology of the nerves and arteries of the human masticatory
muscles. Stomatologiya 40 no.4:58-64, Jl-Ag 61. (MLA 14:11)

1. Iz kafedry normal'noy anatomii (zav. - prof. R.D.Sinol'nikov)
Khar'kovskogo meditsinskogo instituta (dir. - dotsent B.A.Zadorozhnyy).
(MUSCULUS TEMPORALIS--INNERVATION)
(JAWS--BLOOD SUPPLY)

L 32992-65 EMT(m)/EPA(b)-2/EPF(c)/EMP(v)/EMQ(v)/EPF(n)-2/T/EMP(j)/EPR/EPA(bb)-2/
 EHA(1)/EHA(h) Po-4/Pe-5/Pr-4/Ps-4/Pe-5/Pt-10/Pu-4 WW/JAJ/RM
 ACCESSION NR: AP5007414 S/0286/65/000/004/0058/0058

AUTHOR: Kochnov, I. M.; Lutsenko, L. M.; Mirontseva, G. A.; Sapal'skaya, L. A.;
 Didenko, L. F.

TITLE: A method for producing an epoxyfuran binder. Class 39, No. 168420

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 4, 1965, 58

TOPIC TAGS: epoxy resin, transparent plastic, bonding material

ABSTRACT: This Author's Certificate introduces a method for producing an amine-
 reinforced epoxyfuran binder by combining epoxy and furan resins. By using resor-
 cinofurfurool resin as the furan resin, these binders may be used in the production
 of transparent plastics with good mechanical properties and high thermal stability.

ASSOCIATION: none

SUBMITTED: 06Oct62

ENCL: 00

SUB CODE: MT

NO REF SOV: 000

OTHER: 000

Cord 1/1

SOURCE CODE: UR/0137/66/000/009/G054/G054

ACC NR: UR0035420

AUTHOR: Mirontseva, S. A.; Rozov, V. V.

TITLE: Surface phenomena in fusing of lead-indium alloys into germanium

SOURCE: Ref. zh. Metallurgiya, Abs. 9G375

REF. SOURCE: Sb. Poverkhnostn. yavleniya v rasplavakh i voznikayushchikh iz nikh tverd. fazakh. Mal'chik, 1965, 569-573

TOPIC TAGS: surface property, germanium, lead alloy, indium alloy, molten metal, fusible alloy

ABSTRACT: By photographing a drop of molten Pb-In melt on the surface of a germanium plate, the authors investigated the influence of the operating atmosphere on the fusing-in results: the dependence of the contact angle on the state of the germanium crystal surface, the influence of the composition of the alloy on the wetting ability of germanium, and the dependence of the contact angle on the temperature and other factors. The investigations were made on n-type germanium with a high wetting ability. The wetting ability of germanium in vacuum and in H_2 was the same, while in CO_2 it was much lower. The wetting ability decreased in the following sequence: untreated dendrite surface, ground surface, polished surface, etched surface. With increasing

UDC: 621.315.592

Card 1/2

ACC NR. RUC 35420

Content of indium in the Po-In alloy, the wetting ability increased to a definite limit at the given temperature. V. Butasheva. (Translation of abstract,

SUB CODE: 11, 20

Card 2/2

MIRONICHEV, A. (Komsomol'sk, Ivanovskaya oblast')

Handy release lever. Sov.foto. 19 no.8:57 Ag '59.
(MIRA 13:1)

(Cameras)

MIRONICHEV, A.P., kandidat tekhnicheskikh nauk.

Determining optimum temperatures for gases in boilers equipped with
economizers. Trudy GIIVT 10:163-177 '51. (MLRA 10:1)
(Boilers)

LIEBMAN, A., insh.; MAKUSHIN, B., insh.; MIRONYCHEV, G., insh.

Stand for testing electric motors. Prom. keep. 12 no.9:13 S
'58. (MIRA 11:10)

(Electric motors--Testing)

41
9E2C
~~Electrode coating. V. N. Galaktionov and P. M. Mironychev. U.S.S.R. 105,875, June 25, 1957. Fe electrodes for gold welding of Fe have a 2-layer coating of which the 1st layer contains graphite 40, Si-Mg 41, Fe cluders 14, and powd. Al 6%, and the 2nd layer is composed of marble 60 and fluorspar 60%. M. Haseh.~~
PL
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